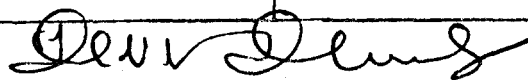
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<b>Abstract</b> :  <p>           This document explains in detail the fabrication of CFRP spars and CFRP skins and design and fabrication of assembly jig and fixtures. The basic frame of the box is rectangular in construction consisting of two CFRP spars and two metal spars and two end ribs. These are fixed between top and bottom CFRP skins. Soft tools were made use of during the fabrication process which eliminates surface wrinkles, resin rich, and resin starved areas. This report also describes in detail the assembly procedure adopted for producing the wing box.         </p>		